

SEQUENCE LISTING

<110> Zehentner-Wilkinson, Barbara K.
 Hayes, Dawn
 Houghton, Raymond L.

<120> METHODS, COMPOSITIONS AND KITS FOR THE DETECTION
 AND MONITORING OF LUNG CANCER

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<140> US 10/550,797

<141> 2004-03-10

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<170> Corixa Invention Disclosure Database

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<212> DNA

<213> Homo sapiens

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<210> 2

<211> 943

<212> PRT

<213> Homo sapiens

<400> 2

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          35          40          45
Pro Gln Val Pro Glu Asn Gln Asn Leu Ile Ser Asn Ile Lys Glu Met
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Ile Thr Glu Ala Ser Phe Tyr Leu Phe Asn Ala Thr Lys Arg Arg Val
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Ala	Arg	Asp	Tyr	Leu	Ile	Leu	Lys	Gly	Val	Leu	Thr	Ala	Met	Gly	Leu
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<210> 3

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<212> DNA

<213> Homo sapiens

<400> 3

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<210> 4
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<212> PRT
<213> Homo sapiens

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35     40     45
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50     55     60
Gln Leu Arg Pro Ala Ala Asp Gly Gln Pro Ser Gly Gly Gly His Lys
65     70     75     80
Ser Ala Pro Lys Gln Val Lys Arg Gln Arg Ser Ser Ser Pro Glu Leu
85     90     95
Met Arg Cys Lys Arg Arg Leu Asn Phe Ser Gly Phe Gly Tyr Ser Leu
100    105    110
Pro Gln Gln Gln Pro Ala Ala Val Ala Arg Arg Asn Glu Arg Glu Arg
115    120    125
Asn Arg Val Lys Leu Val Asn Leu Gly Phe Ala Thr Leu Arg Glu His
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Arg Ser Ala Val Glu Tyr Ile Arg Ala Leu Gln Gln Leu Leu Asp Glu
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His Asp Ala Val Ser Ala Ala Phe Gln Ala Gly Val Leu Ser Pro Thr
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Ile Ser Pro Asn Tyr Ser Asn Asp Leu Asn Ser Met Ala Gly Ser Pro
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<210> 6

<211> 200

<212> PRT

<213> Homo sapiens

<400> 6

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35          40          45
Trp Lys Thr Met Ser Gly Lys Glu Lys Ser Lys Phe Asp Glu Met Ala
50          55          60
Lys Ala Asp Lys Val Arg Tyr Asp Arg Glu Met Lys Asp Tyr Gly Pro
65          70          75          80
Ala Lys Gly Gly Lys Lys Lys Lys Asp Pro Asn Ala Pro Lys Arg Pro
85          90          95
Pro Ser Gly Phe Phe Leu Phe Cys Ser Glu Phe Arg Pro Lys Ile Lys
100         105         110
Ser Thr Asn Pro Gly Ile Ser Ile Gly Asp Val Ala Lys Lys Leu Gly
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Lys Ala Ala Lys Leu Lys Glu Lys Tyr Glu Lys Asp Val Ala Asp Tyr

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Arg	Lys	Lys	Val	Glu	Glu	Glu	Asp	Glu	Glu	Glu	Glu	Glu	Glu	Glu	Glu
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<210> 7
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<400> 7

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Arg	Glu	Glu	Gly	Gly	Pro	Arg	Ser	Gly	Gly	Ala	Gln	Ala	Lys	Leu	Gly
		20					25					30			
Cys	Cys	Trp	Gly	Tyr	Pro	Ser	Pro	Arg	Ser	Thr	Trp	Asn	Pro	Asp	Arg
		35				40					45				
Arg	Phe	Trp	Thr	Pro	Gln	Thr	Gly	Pro	Gly	Glu	Gly	Arg	His	Glu	Arg
	50					55				60					
His	Thr	Gln	Thr	Gln	Asn	His	Thr	Ala	Ser	Pro	Arg	Ser	Pro	Val	Met
65					70				75					80	
Glu	Ser	Pro	Lys	Lys	Lys	Asn	Gln	Gln	Leu	Lys	Val	Gly	Ile	Leu	His
			85				90						95		
Leu	Gly	Ser	Arg	Gln	Lys	Lys	Ile	Arg	Ile	Gln	Leu	Arg	Ser	Gln	Cys
		100				105					110				
Ala	Thr	Trp	Lys	Val	Ile	Cys	Lys	Ser	Cys	Ile	Ser	Gln	Thr	Pro	Gly
	115					120					125				
Ile	Asn	Leu	Asp	Leu	Gly	Ser	Gly	Val	Lys	Val	Lys	Ile	Ile	Pro	Lys
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 agaggacttc gtctgcaaca cactgcaacc gggatgcaaa aatgtgtgct atgaccactt 480
 tttcccgtg tccacatcc ggctgtgggc cctccagctg atcttcgtct ccaccccagc 540

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<210> 22

<211> 261

<212> PRT

<213> Homo sapiens

<400> 22

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          20          25          30
Val Met Ile Leu Val Val Ala Ala Gln Glu Val Trp Gly Asp Glu Gln
          35          40          45
Glu Asp Phe Val Cys Asn Thr Leu Gln Pro Gly Cys Lys Asn Val Cys
          50          55          60
Tyr Asp His Phe Phe Pro Val Ser His Ile Arg Leu Trp Ala Leu Gln
          65          70          75          80
Leu Ile Phe Val Ser Thr Pro Ala Leu Leu Val Ala Met His Val Ala
          85          90          95
Tyr Tyr Arg His Glu Thr Thr Arg Lys Phe Arg Arg Gly Glu Lys Arg
          100          105          110
Asn Asp Phe Lys Asp Ile Glu Asp Ile Lys Lys His Lys Val Arg Ile
          115          120          125
Glu Gly Ser Leu Trp Trp Thr Tyr Thr Ser Ser Ile Phe Phe Arg Ile
          130          135          140
Ile Phe Glu Ala Ala Phe Met Tyr Val Phe Tyr Phe Leu Tyr Asn Gly
          145          150          155          160
Tyr His Leu Pro Trp Val Leu Lys Cys Gly Ile Asp Pro Cys Pro Asn
          165          170          175
Leu Val Asp Cys Phe Ile Ser Arg Pro Thr Glu Lys Thr Val Phe Thr
          180          185          190
Ile Phe Met Ile Ser Ala Ser Val Ile Cys Met Leu Leu Asn Val Ala
          195          200          205
Glu Leu Cys Tyr Leu Leu Leu Lys Val Cys Phe Arg Arg Ser Lys Arg
          210          215          220

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Ala Gln Thr Gln Lys Asn His Pro Asn His Ala Leu Lys Glu Ser Lys
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<210> 24
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<400> 24
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<210> 25
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<210> 27

<211> 255

<212> PRT

<213> Homo sapiens

<400> 27

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      20             25             30
Pro Thr Leu Lys Thr Val Leu Asn Lys Ile Gly Asp Glu Ile Ile Val
      35             40             45
Ile Asn Glu Leu Leu Asn Lys Leu Glu Leu Glu Ile Gln Tyr Gln Glu
      50             55             60
Gln Thr Asn Asn Ser Leu Lys Glu Leu Cys Glu Ser Leu Glu Glu Asp
65             70             75             80
Tyr Lys Asp Ile Glu His Leu Lys Glu Asn Val Pro Ser His Leu Pro
      85             90             95
Gln Val Thr Val Thr Gln Ser Cys Val Lys Gly Ser Asp Leu Asp Pro
      100            105            110
Glu Glu Pro Ile Lys Val Glu Glu Pro Glu Pro Val Lys Lys Pro Pro
      115            120            125
Lys Glu Gln Arg Ser Ile Lys Glu Met Pro Phe Ile Thr Cys Asp Glu
      130            135            140
Phe Asn Gly Val Pro Ser Tyr Met Lys Ser Arg Leu Thr Tyr Asn Gln
145            150            155            160
Ile Asn Asp Val Ile Lys Glu Ile Asn Lys Ala Val Ile Ser Lys Tyr
      165            170            175
Lys Ile Leu His Gln Pro Lys Lys Ser Met Asn Ser Val Thr Arg Asn
      180            185            190
Leu Tyr His Arg Phe Ile Asp Glu Thr Lys Asp Thr Lys Gly Arg
      195            200            205
Tyr Phe Ile Val Glu Ala Asp Ile Lys Glu Phe Thr Thr Leu Lys Ala

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210		215		220
Asp Lys Lys Phe His Val Leu Leu Asn Ile Leu Arg His Cys Arg Arg				
225		230		235
Leu Ser Glu Val Arg Gly Gly Gly Leu Thr Arg Tyr Val Ile Thr				240
	245		250	255

<210> 28
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<210> 29
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<400> 29
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<210> 30
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 <212> DNA
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<400> 30
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<210> 31
 <211> 1740
 <212> DNA
 <213> Homo sapiens

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<210> 32

<211> 579

<212> PRT

<213> Homo sapiens

<400> 32

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Phe	Leu	Val	Lys	Thr	Gly	Tyr	Ala	Phe	Val	Asp	Cys	Pro	Asp	Glu	Ser	35	40	45	
Trp	Ala	Leu	Lys	Ala	Ile	Glu	Ala	Leu	Ser	Gly	Lys	Ile	Glu	Leu	His	50	55	60	
Gly	Lys	Pro	Ile	Glu	Val	Glu	His	Ser	Val	Pro	Lys	Arg	Gln	Arg	Ile	65	70	75	80
Arg	Lys	Leu	Gln	Ile	Arg	Asn	Ile	Pro	Pro	His	Leu	Gln	Trp	Glu	Val	85	90	95	
Leu	Asp	Ser	Leu	Leu	Val	Gln	Tyr	Gly	Val	Val	Glu	Ser	Cys	Glu	Gln	100	105	110	
Val	Asn	Thr	Asp	Ser	Glu	Thr	Ala	Val	Val	Asn	Val	Thr	Tyr	Ser	Ser	115	120	125	
Lys	Asp	Gln	Ala	Arg	Gln	Ala	Leu	Asp	Lys	Leu	Asn	Gly	Phe	Gln	Leu	130	135	140	
Glu	Asn	Phe	Thr	Leu	Lys	Val	Ala	Tyr	Ile	Pro	Asp	Glu	Thr	Ala	Ala	145	150	155	160
Gln	Gln	Asn	Pro	Leu	Gln	Gln	Pro	Arg	Gly	Arg	Arg	Gly	Leu	Gly	Gln	165	170	175	
Arg	Gly	Ser	Ser	Arg	Gln	Gly	Ser	Pro	Gly	Ser	Val	Ser	Lys	Gln	Lys	180	185	190	
Pro	Cys	Asp	Leu	Pro	Leu	Arg	Leu	Leu	Val	Pro	Thr	Gln	Phe	Val	Gly	195	200	205	
Ala	Ile	Ile	Gly	Lys	Glu	Gly	Ala	Thr	Ile	Arg	Asn	Ile	Thr	Lys	Gln	210	215	220	
Thr	Gln	Ser	Lys	Ile	Asp	Val	His	Arg	Lys	Glu	Asn	Ala	Gly	Ala	Ala	225	230	235	240
Glu	Lys	Ser	Ile	Thr	Ile	Leu	Ser	Thr	Pro	Glu	Gly	Thr	Ser	Ala	Ala	245	250	255	
Cys	Lys	Ser	Ile	Leu	Glu	Ile	Met	His	Lys	Glu	Ala	Gln	Asp	Ile	Lys	260	265	270	
Phe	Thr	Glu	Glu	Ile	Pro	Leu	Lys	Ile	Leu	Ala	His	Asn	Asn	Phe	Val				

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Gly Arg Leu Ile Gly Lys Glu Gly Arg Asn Leu Lys Lys Ile Glu Gln				
290		295		300
Asp Thr Asp Thr Lys Ile Thr Ile Ser Pro Leu Gln Glu Leu Thr Leu				
305		310		315
Tyr Asn Pro Glu Arg Thr Ile Thr Val Lys Gly Asn Val Glu Thr Cys				
	325		330	
Ala Lys Ala Glu Glu Glu Ile Met Lys Lys Ile Arg Glu Ser Tyr Glu				
	340		345	
Asn Asp Ile Ala Ser Met Asn Leu Gln Ala His Leu Ile Pro Gly Leu				
	355		360	
Asn Leu Asn Ala Leu Gly Leu Phe Pro Pro Thr Ser Gly Met Pro Pro				
	370		375	
Pro Thr Ser Gly Pro Pro Ser Ala Met Thr Pro Pro Tyr Pro Gln Phe				
385		390		395
Glu Gln Ser Glu Thr Glu Thr Val His Leu Phe Ile Pro Ala Leu Ser				
	405		410	
Val Gly Ala Ile Ile Gly Lys Gln Gly Gln His Ile Lys Gln Leu Ser				
	420		425	
Arg Phe Ala Gly Ala Ser Ile Lys Ile Ala Pro Ala Glu Ala Pro Asp				
	435		440	
Ala Lys Val Arg Met Val Ile Ile Thr Gly Pro Pro Glu Ala Gln Phe				
	450		455	
Lys Ala Gln Gly Arg Ile Tyr Gly Lys Ile Lys Glu Glu Asn Phe Val				
465		470		475
Ser Pro Lys Glu Glu Val Lys Leu Glu Ala His Ile Arg Val Pro Ser				
	485		490	
Phe Ala Ala Gly Arg Val Ile Gly Lys Gly Gly Lys Thr Val Asn Glu				
	500		505	
Leu Gln Asn Leu Ser Ser Ala Glu Val Val Val Pro Arg Asp Gln Thr				
	515		520	
Pro Asp Glu Asn Asp Gln Val Val Val Lys Ile Thr Gly His Phe Tyr				
	530		535	
Ala Cys Gln Val Ala Gln Arg Lys Ile Gln Glu Ile Leu Thr Gln Val				
545		550		555
Lys Gln His Gln Gln Lys Ala Leu Gln Ser Gly Pro Pro Gln Ser				
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Arg Arg Lys				575

<210> 33

<211> 21

<212> DNA

<213> Homo sapiens

<400> 33

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21

<210> 34

<211> 24

<212> DNA

<213> Homo sapiens

<400> 34

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24